***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

HW24: Classifying Triangles

**Geometry**Due: Tuesday, October 18th

|  |  |  |
| --- | --- | --- |
| Directions: ***FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE.*** a) Classify each triangle below by the sides.  b) Classify each triangle below by the angles.  c) Solve for x. | | |
| 1) Solve for x. | 2) Solve for x. | 3) Solve for x. |

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| 7) Find the missing side length. Label any missing angles or sides with the appropriate markings. | 8) Find the missing angle measure. Label any missing angles or sides with the appropriate markings. |



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PT II: Review

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| 11. Line *l* can be described by the equation 4y+6x=12. Determine if the following lines are perpendicular to *l*, parallel to *l*, or neither. Explain your reasoning in at least 1 sentence. | | |
| |  |  | | --- | --- | | X | y | | 1 | 6 | | 5 | 10 | | 14 | 13 |   a) | **../../../../../Desktop/Screen%20Shot%202015-11-16%20at%207.10.52%20PM**b) | c) |
| 12. Write the equation of a line though (-1,2) and parallel to .  13. Write the equation of a line though (-4,5) and perpendicular to . | | |

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